

Annex B - Bird Species' status and trends report (Article 12)

1. Species information

1.1 Member State	Hungary
1.2 Species code	A059
1.3 EURING code	1980
1.4 Species scientific name	Aythya ferina
1.5 Subspecific population	
1.6 Alternative species scientific name	
1.7 Common name	barátréce
1.8 Season	Breeding (B)

2. Population size

2.1 Year or period	2013-2018
2.2 Population size	a) Unit number of pairs (p) b) Minimum 500 c) Maximum 1000 d) Best single value
2.3 Type of estimate	Best estimate
2.4 Population size Method used	Complete survey or a statistically robust estimate
2.5 Sources	National Park Directorates' databases "A közösségi jelentőségű természeti értékek hosszú távú megőrzését és fejlesztését, valamint az EU Biológiai Sokféleség Stratégia 2020 célkitűzéseinek hazai szintű megvalósítását megalapozó stratégiai vizsgálatok" programme
2.6 Change and reason for change (since previous report)	Genuine change Improved knowledge/more accurate data Use of different method The change is mainly due to: Genuine change
2.7 Additional information	National Park Directorates' databases + data collected under the "A közösségi jelentőségű természeti értékek hosszú távú megőrzését és fejlesztését, valamint az EU Biológiai Sokféleség Stratégia 2020 célkitűzéseinek hazai szintű megvalósítását megalapozó stratégiai vizsgálatok" programme. In the frame of the "A közösségi jelentőségű természeti értékek hosszú távú megőrzését és fejlesztését, valamint az EU Biológiai Sokféleség Stratégia 2020 célkitűzéseinek hazai szintű megvalósítását megalapozó stratégiai vizsgálatok" programme a new monitoring program was started in 2017. Several sample areas were selected where the common pochard could be breed. Experienced observers surveyed these areas and tried to prove that this species breed in these areas. This programme and the national park directorates databases are the most important survey program of this species. In 2017 every national park directorates surveyed and estimated the breeding population of common pochard. They found 315 breeding pairs, however they estimated the national population 654. Therefor, considering wet and dry years, I estimated the national breeding population 500-1000 pairs.

Annex B - Bird Species' status and trends report (Article 12)

3. Population trend

3.1 Short-term trend (last 12 years)

3.1.1 Short-term trend Period	2007-2018
3.1.2 Short-term trend Direction	Decreasing (-)
3.1.3 Short-term trend Magnitude	a) Minimum 67 b) Maximum 75 c) Best single value
3.1.4 Short-term trend Method used	Based mainly on extrapolation from a limited amount of data
3.1.5 Sources	Barabás, L. (2013): Breeding distribution of Hungarian Duck species. Hungarian Waterfowl Publications 23: 79-120. Expert opinions MME Nomenclator Bizottság (2008): Magyarország madarainak névjegyzéke. Nomenclator avium Hungariae. Magyar Madártani és Természetvédelmi Egyesület, Budapest. P. 278 National Park Directorates' databases

3.2 Long-term trend (since c. 1980)

3.2.1 Long-term trend Period	1980-2018
3.2.2 Long-term trend Direction	Decreasing (-)
3.2.3 Long-term trend Magnitude	a) Minimum 80 b) Maximum 87 c) Best single value
3.2.4 Long-term Trend Method used	Based mainly on extrapolation from a limited amount of data
3.2.5 Sources	Barabás, L. (2013): Breeding distribution of Hungarian Duck species. Hungarian Waterfowl Publications 23: 79-120. Expert opinions MME Nomenclator Bizottság (2008): Magyarország madarainak névjegyzéke. Nomenclator avium Hungariae. Magyar Madártani és Természetvédelmi Egyesület, Budapest. P. 278 National Park Directorates' databases

3.3 Additional information	Short-term trend is decreasing. According to MME Nomenclator Bizottság (2008) and national report (2013) the baseline was 2007 (2000-3000), to what the current values (500-1000) were compared to. Long-term trend is decreasing. According to Barabás (2013) and Ecsedi (2004) the baseline was 1980 (4000-5000), to what the current values (500-1000) were compared to.
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4. Breeding distribution map and size

4.1 Sensitive species	No
4.2 Year or period	2013-2018
4.3 Breeding distribution map	Yes
4.4 Breeding distribution surface area	4336
4.5 Breeding distribution Method used	Complete survey or a statistically robust estimate
4.6 Additional maps	No

Annex B - Bird Species' status and trends report (Article 12)

4.7 Sources National Park Directorates' databases
<http://map.mme.hu/maps/map2>

4.8 Additional information

5. Breeding range trend

5.1 Short-term trend (last 12 years)

5.1.1 Short-term trend Period 2007-2018
5.1.2 Short-term trend Direction Decreasing (-)
5.1.3 Short-term trend Magnitude
a) Minimum 20
b) Maximum 30
c) Best single value
5.1.4 Short-term trend Method used Based mainly on extrapolation from a limited amount of data
5.1.5 Sources Barabás, L. (2013): Breeding distribution of Hungarian Duck species. Hungarian Waterfowl Publications 23: 79-120.
Expert opinions
MME Nomenclator Bizottság (2008): Magyarország madarainak névjegyzéke. Nomenclator avium Hungariae. Magyar Madártani és Természetvédelmi Egyesület, Budapest. P. 278
National Park Directorates' databases
<http://map.mme.hu/maps/map2>

5.2 Long-term trend (since c. 1980)

5.2.1 Long-term trend Period 1980-2018
5.2.2 Long-term trend Direction Decreasing (-)
5.2.3 Long-term trend Magnitude
a) Minimum 20
b) Maximum 40
c) Best single value 40
5.2.4 Long-term trend Method used Based mainly on expert opinion with very limited data
5.2.5 Sources Barabás, L. (2013): Breeding distribution of Hungarian Duck species. Hungarian Waterfowl Publications 23: 79-120.
Ecsedi Z. (2004): A Hortobágy madárvilága. Hortobágy Természetvédelmi Egyesület, Winter Fair, Balmazújváros-Szeged, 602 p.
Expert opinions
MME Nomenclator Bizottság (2008): Magyarország madarainak névjegyzéke. Nomenclator avium Hungariae. Magyar Madártani és Természetvédelmi Egyesület, Budapest. P. 278
National Park Directorates' databases
<http://map.mme.hu/maps/map2>

5.3 Additional information

6. Progress in work related to international Species Action Plans (SAPs), Management Plans (MPs) and Brief Management Statements (BMSs)

6.0 Is/Will the information related to international SAPs, MPs and BMSs (section 6) be provided for the other season for this species? No

Annex B - Bird Species' status and trends report (Article 12)

6.1 Type of international plan	No plan (NA)
6.2 Has a national plan linked to the international SAP/MP/BMS been adopted?	No
6.3 If 'NO', describe any measures and initiatives taken related to the international SAP/MP/BMS	
6.4 Assessment of the effectiveness of SAPs for globally threatened species (Art. 12, Species Action Plans)	()
6.5 Assessment of the effectiveness of MPs for huntable species in non-Secure status (Articles 3 and 7, Management Plans)	()
6.6 Sources of further Information	

7. Main pressures and threats

a) Pressure	b) Ranking	c) location
Conversion from one type of agricultural land use to another (excluding drainage and burning) (A02)	M	inside the Member State (inMS)
Drainage for use as agricultural land (A31)	M	inside the Member State (inMS)
Freshwater fish and shellfish harvesting (professional) (G05)	H	inside the Member State (inMS)
Management of fishing stocks and game (G08)	M	inside the Member State (inMS)
Other invasive alien species (other than species of Union concern) (I02)	M	inside the Member State (inMS)
Physical alteration of water bodies (K05)	H	inside the Member State (inMS)
Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M	inside the Member State (inMS)
Droughts and decreases in precipitation due to climate change (N02)	H	inside the Member State (inMS)
a) Threat	d) Ranking	e) location
Conversion from one type of agricultural land use to another (excluding drainage and burning) (A02)	M	inside the Member State (inMS)
Drainage for use as agricultural land (A31)	M	inside the Member State (inMS)
Freshwater fish and shellfish harvesting (professional) (G05)	H	inside the Member State (inMS)
Management of fishing stocks and game (G08)	M	inside the Member State (inMS)
Other invasive alien species (other than species of Union concern) (I02)	M	inside the Member State (inMS)
Physical alteration of water bodies (K05)	H	inside the Member State (inMS)

Annex B - Bird Species' status and trends report (Article 12)

Interspecific relations (competition, predation, parasitism, pathogens) (L06)	M	inside the Member State (inMS)
Droughts and decreases in precipitation due to climate change (N02)	H	inside the Member State (inMS)

7.2 Sources of information

7.3 Additional information

8. Main Conservation Measures

8.1 Status of measures	Measures identified and taken
8.2 Main purpose of the measures taken	Expand the current distribution of the species
8.3 Location of the measures	Both inside and outside Natura 2000
8.4 Response to the measures	Medium-term results (within the next two reporting periods, 2019-2030)

8.5 List of main conservation measures

CA13 - Reduce/eliminate marine pollution from agricultural activities

CA15 - Manage drainage and irrigation operations and infrastructures in agriculture

CG01 - Management of professional/commercial fishing (including shellfish and seaweed harvesting)

CG02 - Management of hunting, recreational fishing and recreational or commercial harvesting or collection of plants

CI02 - Management, control or eradication of established invasive alien species of Union concern

CJ02 - Reduce impact of multi-purpose hydrological changes

CL04 - Other measures related to natural processes

CN01 - Adopt climate change mitigation measures

CN02 - Implement climate change adaptation measures

8.6 Additional information

9. Natura 2000 (SPAs) coverage

9.1 Population size inside the Natura 2000 (SPA) network	a) Unit	number of pairs (p)
	b) Minimum	400
	c) Maximum	800
	d) Best single value	
9.2 Type of estimate	Best estimate	
9.3 Population size inside the network Method used	Complete survey or a statistically robust estimate	
9.4 Short-term trend of population size within the network Direction	Decreasing (-)	

Annex B - Bird Species' status and trends report (Article 12)

9.5 Short-term trend of population size within the network Method used

Based mainly on extrapolation from a limited amount of data

9.6 Additional information

80% of the breeding population.

10. Information related to Annex II species (Art.7)

10.0 Is/Will the information related to Annex II species (section 10) be provided for the other season for this species?

No

10.1 Is the species nationally hunted?

No

10.2 Hunting bag

a) Unit

number of individuals (i)

b) Statistics/
quantity
taken

Provide statistics per hunting season or per year (where season is not used) over the reporting period.

Min.
(raw, i.e. not rounded)

Max.
(raw, i.e. not rounded)

Unknown

Season/ Year 1	Season/ Year 2	Season/ Year 3	Season/ Year 4	Season/ Year 5	Season/ Year 6
No	No	No	No	No	No

10.3 Hunting bag Method used

10.4 Additional information

A madárvédelmi irányelv 12. cikke alapján készített országjelentés 2019.

Barátréce (*Aythya ferina*)
jelölő faj (egyéb)

